

Thank you for using the Icom Download Service.

Please read this installation guide before installing the USB driver into your PC that is connected to the USB (Universal Serial Bus) port (B type) of the transceiver with the USB cable (purchase separately).

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*For Windows 2000: Refer to the instructions of Windows XP.

1. OVERVIEW

System requirements

A PC which supports the following OS (Operating System) is required;

- Microsoft® Windows Vista®
- Microsoft® Windows® XP
- Microsoft® Windows® 2000

NOTE:

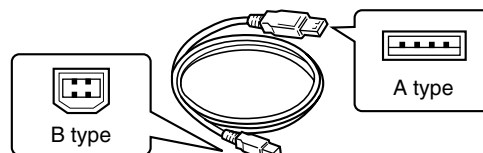
- The USB driver is not supported for Microsoft® Windows® XP (64 bit).
- Icom is not responsible for whole performance of the PC that supports above OS.
- In this installation guide, the above OSs are described as "Windows Vista," "Windows XP" and "Windows 2000."

Before installation:

- When installing the software, log on as the administrator.
- Make sure no other applications are running.

Item requirements

- USB cable (A-B type/purchase separately)



- PC (with USB 1.1 or 2.0)
- Installed audio player

NOTE:

- PC software (purchase separately) may be required. (p. 15)
- The transceiver connection may not be recognized by the PC depending on the length of the USB cable. Using as short a USB cable as possible is recommended.

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2. PRECAUTIONS

Before connecting to the PC

The process of connecting the USB cable (purchase separately) between the transceiver and a PC may differ according to your OS.

See the “Driver installation” on pgs. 3 to 10 for details.

- After the driver installation is completed, the USB cable can be connected regardless of the OS.
- The USB driver installation is required for each unit, because of the COM port number difference.

Important

- Audio from the USB port may cut out or audio control with the PC software may get late because of the PC performance (including OS, environment, etc.)
- Audio from the USB port may cut out when the CPU load increases.
- The audio device settings of OS may be changed when the transceiver is connected to the PC.
- Icom is not responsible for proper operation when connecting the transceiver and the PC through an USB hub.

After installation

• USB driver uninstallation

If the USB driver uninstallation is performed, the connected unit (when the USB driver is installed) cannot be used.

• USB driver re-installation

The USB driver installation is required for each unit, because of the COM port number difference.

3. PREPARING

Before installing the USB driver

Icom HP gives the USB driver download service.

Before installing the USB driver, download the compressed file.

NOTE:

- Icom is not responsible for any damage or lack of data resulting from the use of the USB driver.
- In this installation guide, the USB driver software ver. 1.00 is used for description.
(e.g. Folder name: “CD-301501-001”)

↑
This number may differ depending on the software version.

4. DRIVER INSTALLATION

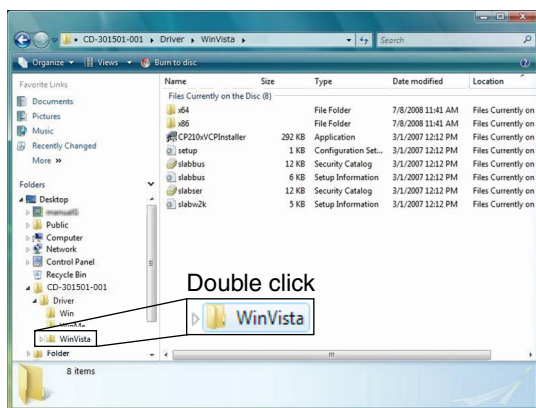
Windows Vista

NOTE:

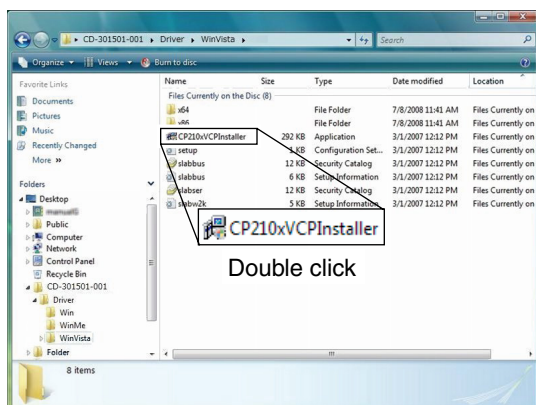
- **NEVER** connect the transceiver to the PC with the USB cable (purchase separately) until the USB driver installation has been completed.
- The USB driver for Windows Vista does not support the automatic recognition system.

/// The displayed dialogue boxes, indications or operations may differ slightly from the following instructions according to your system conditions or environment.

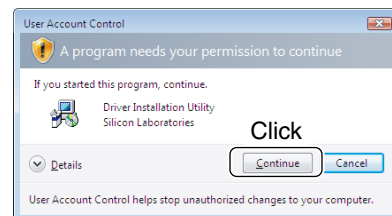
- ① Make sure that the transceiver is not connected to the PC.
- ② Start up Windows.
- ③ Double-click the “WinVista” folder.
 - The folder construction: “CD-301501-001” → “Driver” → “WinVista”



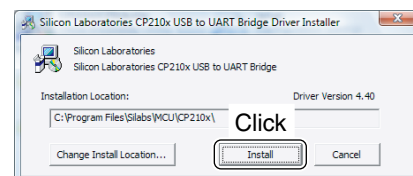
- ④ Double-click the “CP210xVCPInstaller.exe” to start up the USB driver installer.



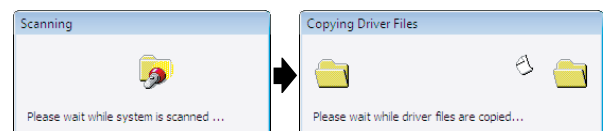
- ⑤ “A program needs your permission to continue” dialogue box appears as below. Click [Continue].



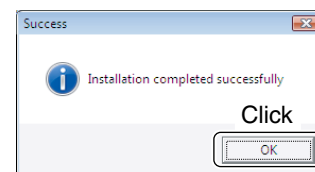
- ⑥ Verify the installation location, then click [Install].



- ⑦ Windows starts scanning for the system, then starts installing the USB driver.



- ⑧ After the installation is completed, click [OK].
 - Restarting the PC is recommended.

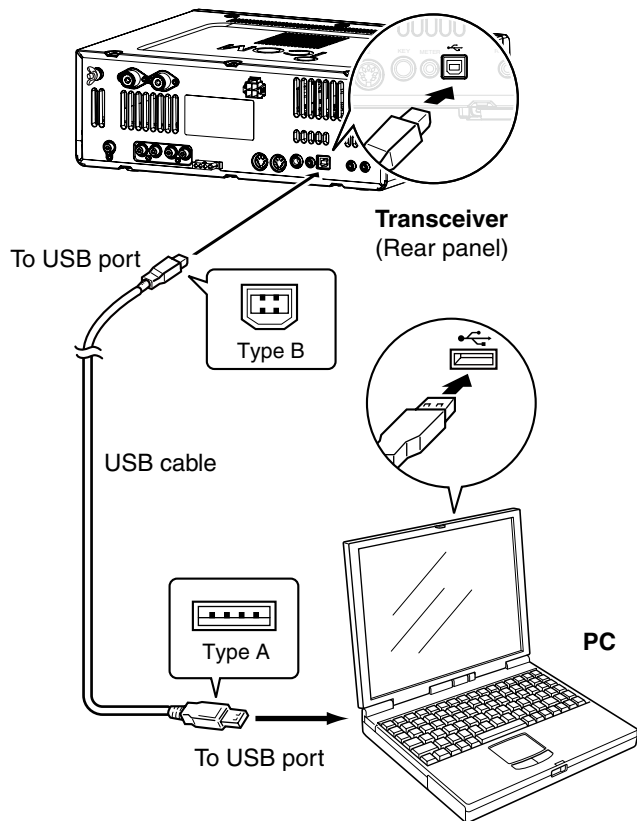


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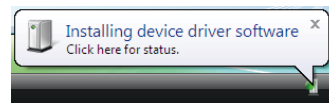
4. DRIVER INSTALLATION

Windows Vista (Continued)

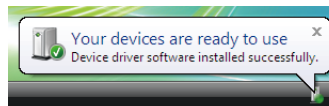
- ⑨ After restarting the PC, connect the transceiver to the PC with the USB cable as shown below.
- Be sure to connect the USB cable correctly and not upside down.



- ⑩ Turn the transceiver power ON.
- "Installing device driver software" appears as below.



- ⑪ After the dialogue appears as below, USB driver installation has been completed.



4. DRIVER INSTALLATION (Continued)

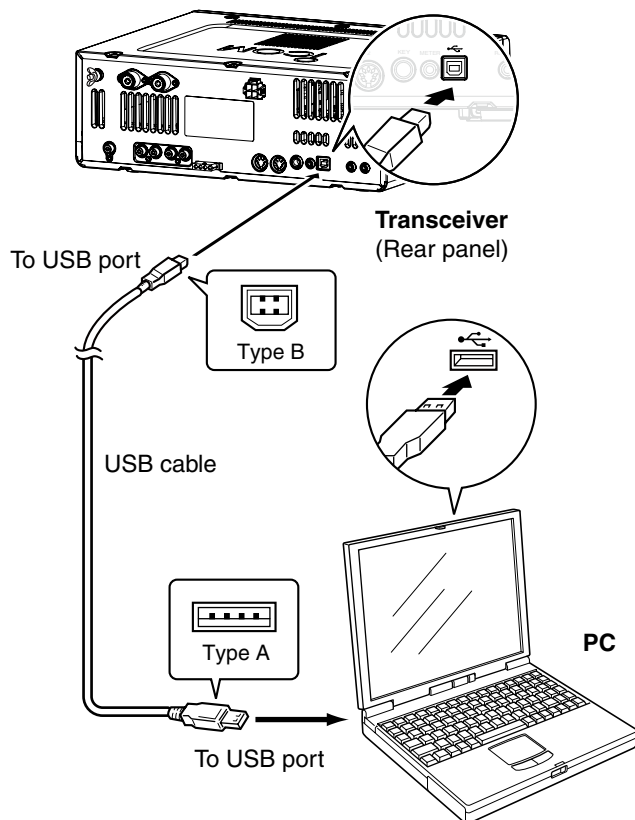
Windows XP

NOTE:

BE SURE to connect the transceiver to the PC with the USB cable (purchase separately) before installing the USB driver.

/// The displayed dialogue boxes, indications or operations may differ slightly from the following instructions according to your system conditions or environment.

- ① Make sure that the transceiver is not connected to the PC.
- ② Start up Windows.
 - Quit all other application if running.
- ③ Connect the transceiver to the PC with the USB cable as shown below.
 - Be sure to connect the USB cable correctly and not upside down.



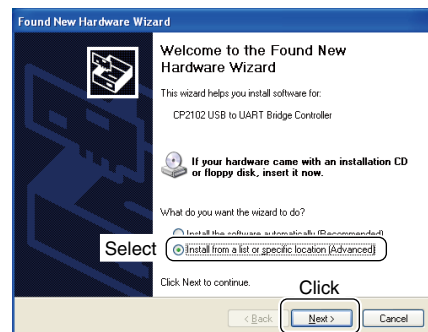
- ④ Turn the transceiver power ON.
 - “Found New Hardware” appears as below.



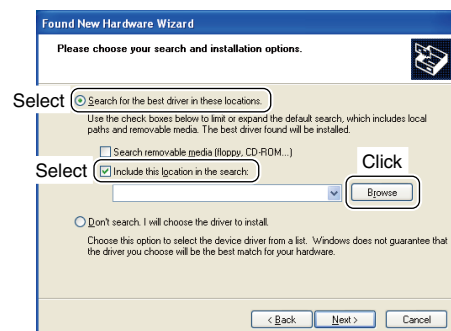
- ⑤ The “Welcome to the Found New Hardware Wizard” will come up as below.
Select “No, not this time,” then click [Next>].



- ⑥ Select “Install from a list or specific location (Advanced),” then click [Next>].



- ⑦ Select “Search for the best driver in these locations.” then select “Include this location in the search,” and click [Browse].



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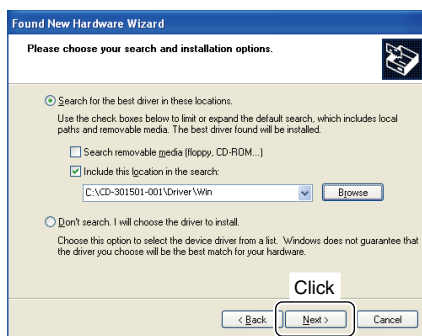
4. DRIVER INSTALLATION

Windows XP (Continued)

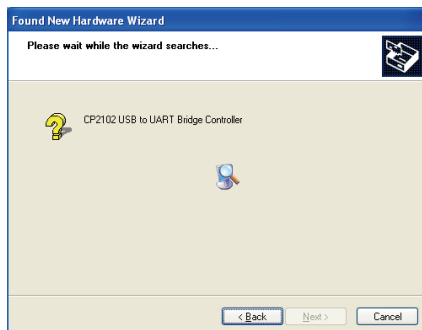
- ⑧ Select the “Win” folder, then click [OK].
- The folder construction: “CD-301501-001” → “Driver” → “Win”



- ⑨ Click [Next>].



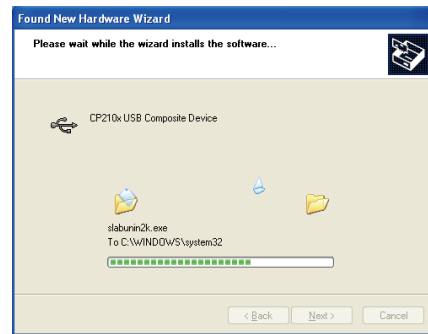
- ⑩ The Wizard starts searching for the driver and shows the dialogue below during search.



- ⑪ After the driver is found, the “Hardware Installation” dialogue box appears. Click [Continue Anyway] to start the installation.



- ⑫ Windows starts installing the USB driver.



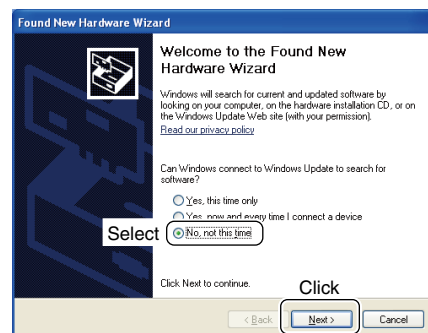
- ⑬ After the installation is completed, click [Finish].



- ⑭ After clicking [Finish], the dialogue appears as below.



- ⑮ The “Welcome to the Found New Hardware Wizard” will come up again to install the USB serial port driver. Select “No, not this time,” then click [Next>].

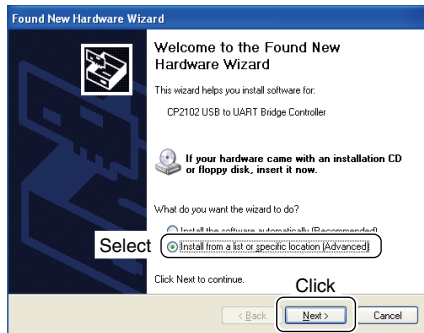


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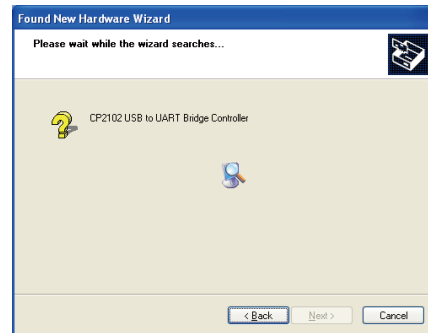
4. DRIVER INSTALLATION

Windows XP (Continued)

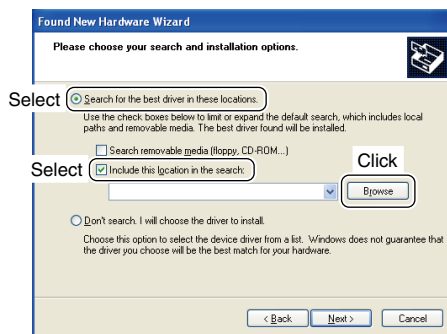
- ⑮ Select “Install from a list or specific location (Advanced),” then click [Next>].



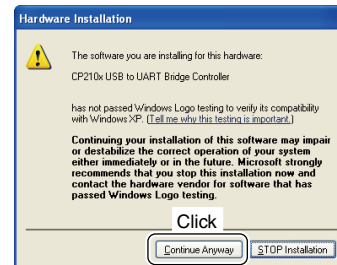
- ⑯ The Wizard starts searching for the driver and shows the dialogue below during search.



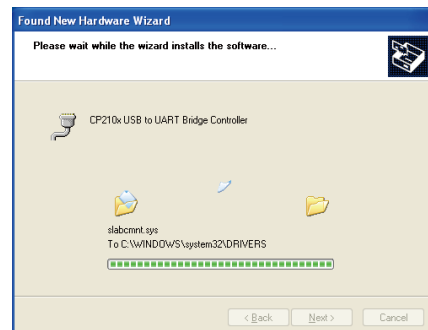
- ⑰ Select “Search for the best driver in these locations,” then select “Include this location in the search:,” and click [Browse].



- ⑱ After the driver is found, the “Hardware Installation” dialogue box appears as below. Click [Continue Anyway] to start the installation.



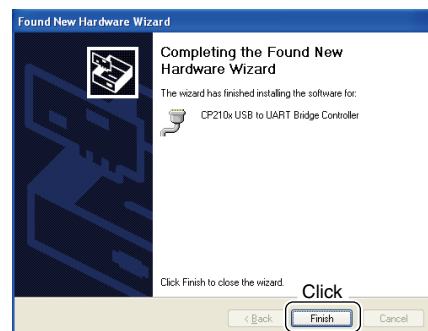
- ⑲ Windows starts installing the USB driver.



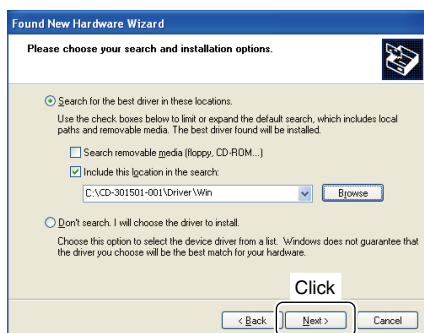
- ⑳ Select the “Win” folder, then click [OK].
- The folder construction: “CD-301501-001” → “Driver” → “Win”



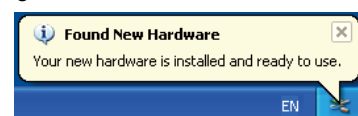
- ㉑ After the installation is completed, click [Finish].



- ㉒ Click [Next>].



- ㉓ After clicking [Finish], the dialogue appears as below.
- Restarting the PC is recommended.



4. DRIVER INSTALLATION (Continued)

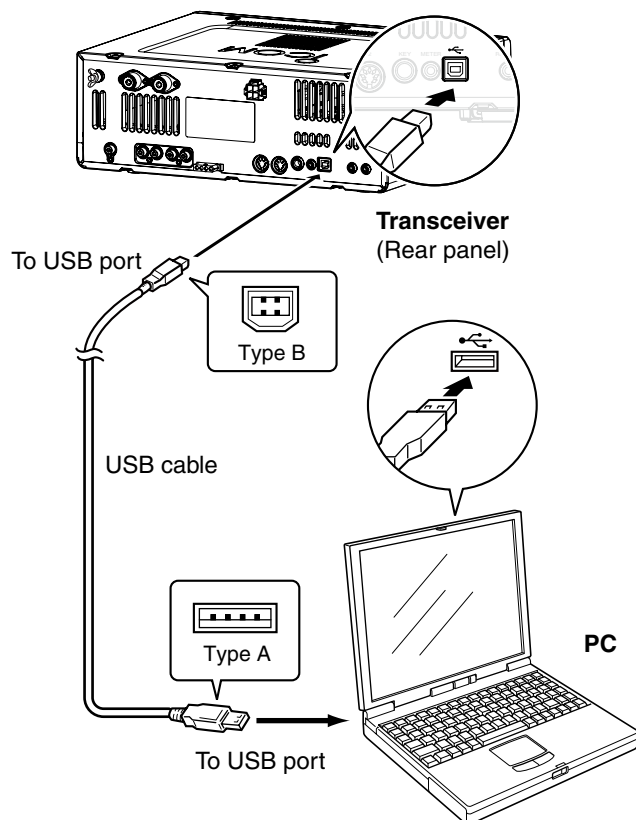
Windows 2000

NOTE:

BE SURE to connect the transceiver to the PC with the USB cable (purchase separately) before installing the USB driver.

The displayed dialogue boxes, indications or operations may differ slightly from the following instructions according to your system conditions or environment.

- ① Make sure that the transceiver is not connected to the PC.
- ② Start up Windows.
 - Quit all other application if running.
- ③ Connect the transceiver to the PC with the USB cable as shown below.
 - Be sure to connect the USB cable correctly and not upside down.



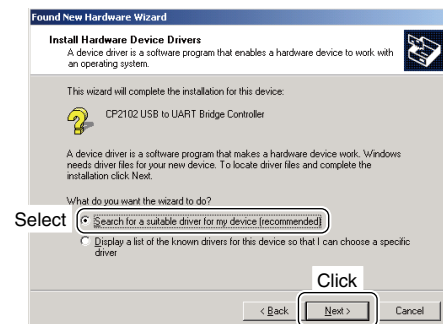
- ④ Turn the the transceiver power ON.
 - “Found New Hardware” appears as below.



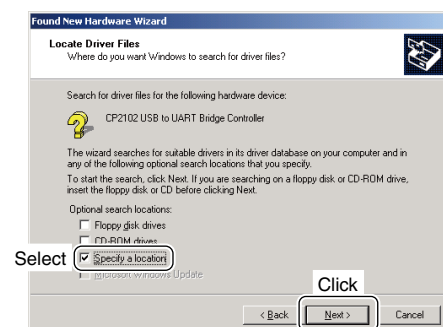
- ⑤ The “Found New Hardware Wizard” will come up as below.
Click [Next>].



- ⑥ Select “Search for a suitable driver for my device (recommended),” then click [Next>].



- ⑦ Select “Specify a location,” then click [Next>].



- ⑧ Click [Browse...].



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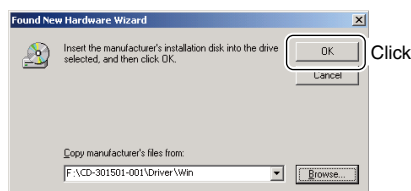
4. DRIVER INSTALLATION

Windows 2000 (Continued)

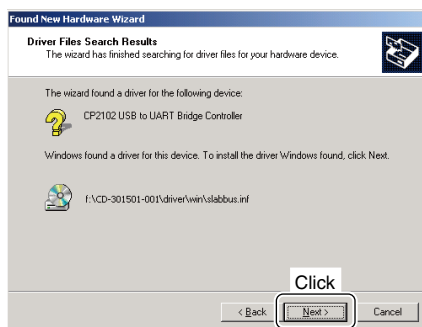
- ⑨ Select “slabbus.inf” in the “Win” folder, then click [Open].
- The folder construction: “CD-301501-001” → “Driver” → “Win”



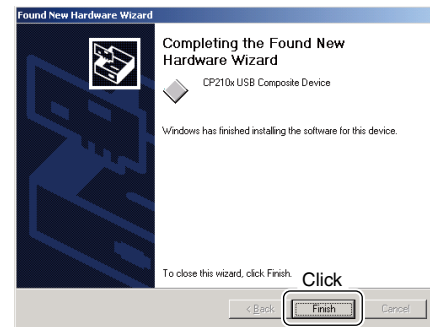
- ⑩ Click [OK].



- ⑪ When the driver is found, the following dialogue is displayed.
Click [Next>] to start the installation.



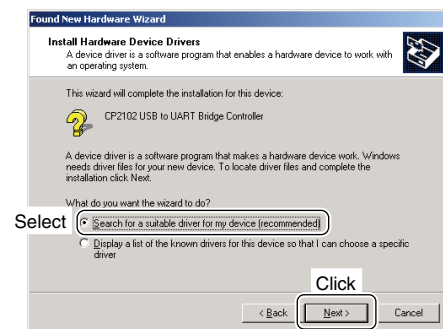
- ⑫ After the installation is completed, click [Finish].



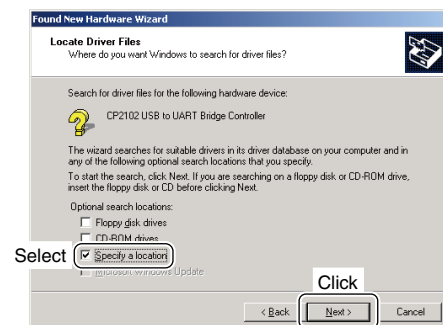
- ⑬ The “Found New Hardware Wizard” appears again.
Click [Next>].



- ⑭ Select “Search for a suitable driver for my device (recommended),” then click [Next>].



- ⑮ Select “Specify a location,” then click [Next>].



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4. DRIVER INSTALLATION

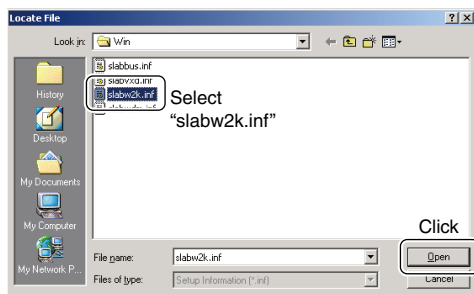
Windows 2000 (Continued)

⑩ Click [Browse...].



⑪ Select “slabw2k.inf” in the “Win” folder, then click [Open].

- The folder construction: “CD-301501-001” → “Driver” → “Win”

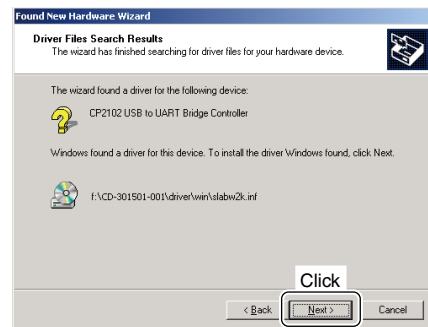


⑫ Click [OK].



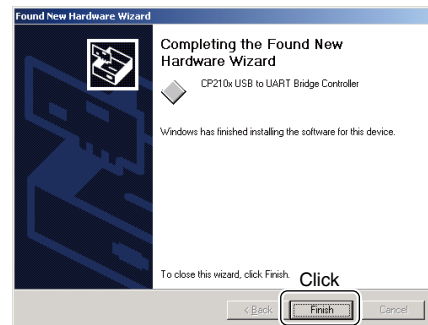
⑬ When the driver is found, the following dialogue is displayed.

Click [Next>] to start the installation.



⑭ After the installation is completed, click [Finish].

- Restarting the PC is recommended.

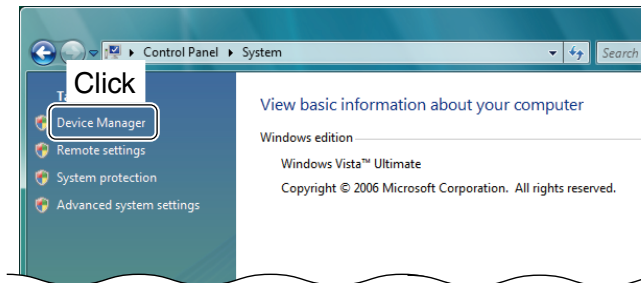


5. COM PORT CONFIRMATION

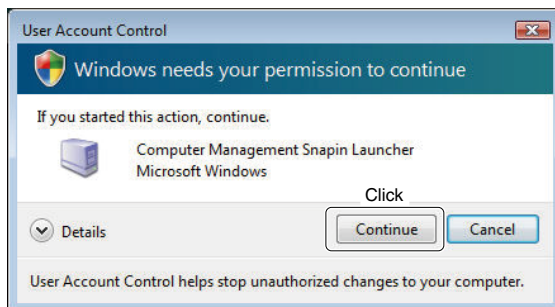
After the driver installation is completed, confirming the driver availability and the port number is recommended.

Windows Vista

- ① Start up Windows.
- ② Right click "Computer," then select "Properties."
 - "Computer" is available in <Start> menu.
- ③ "System" screen appears as below.
Click [Device Manager].

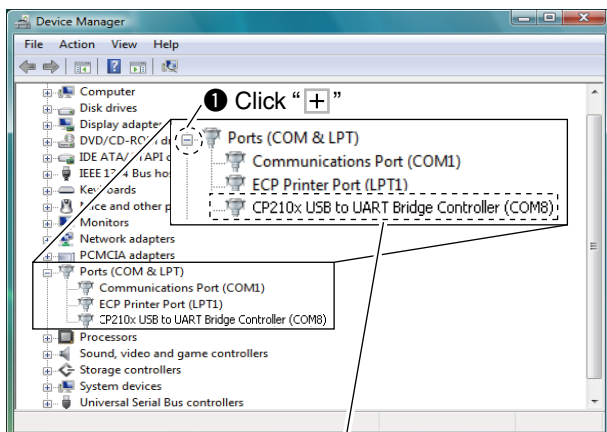


- ④ In case "User Account Control" dialogue box appears as below, click [Continue].



- ⑤ "Device Manager" screen appears.
Click "+" of "Ports (COM&LPT)."
- ⑥ Confirm "CP210x USB to UART Bridge Controller (COM*)" is displayed.
 - If "!" or "x" indicator is displayed on the "Device Manager" screen, the driver may not be installed properly. Un-install the USB driver then reinstall in such cases.

/// "*" is the COM port number, that is used for the communication setting with the utility software.



- ② Check the COM port number.
(In this example, the USB serial COM port number is "8.")

Windows XP

For Windows 2000:

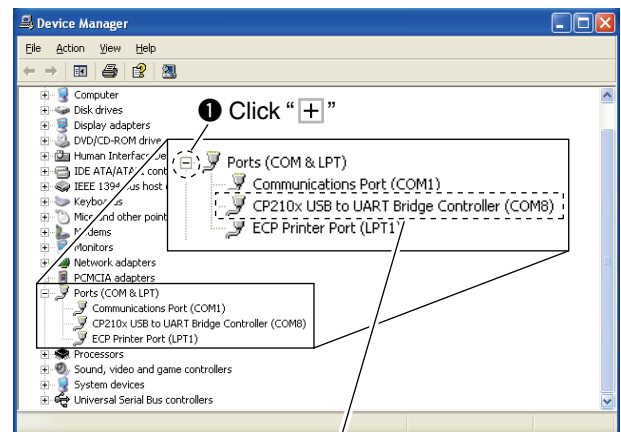
Refer to the following instructions because the operations of Windows 2000 are similar to Windows XP.

- ① Start up Windows.
- ② Right click "My Computer," then select "Properties."
 - "My Computer" is available in <Start> menu.
- ③ "System Properties" screen appears as below.
Click [Hardware] tab and then click [Device Manager].



- ④ "Device Manager" screen appears.
Click "+" of "Ports (COM&LPT)."
- ⑤ Confirm "CP210x USB to UART Bridge Controller (COM*)" is displayed.
 - If "!" or "x" indicator is displayed on the "Device Manager" screen, the driver may not be installed properly. Un-install the USB driver then reinstall in such cases.

/// "*" is the COM port number, that is used for the communication setting with the utility software.



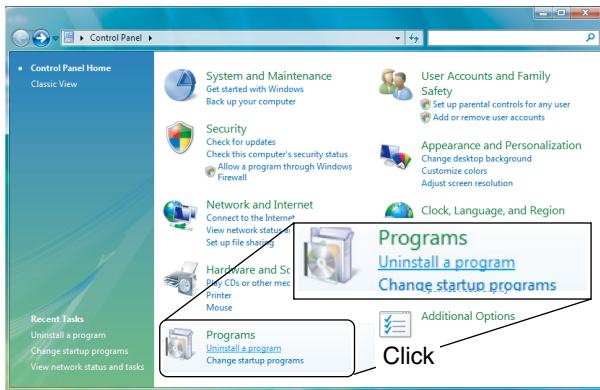
- ② Check the COM port number.
(In this example, the USB serial COM port number is "8.")

6. DRIVER UNINSTALLATION

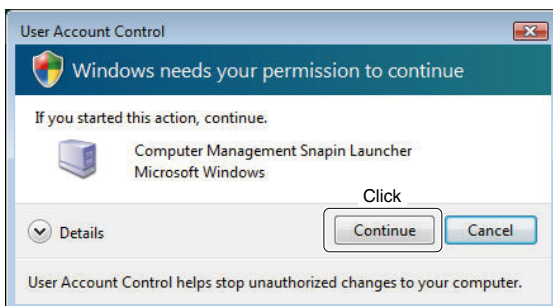
The displayed dialogue boxes or indications may differ slightly from the following instructions according to your system conditions, or environment.

Windows Vista

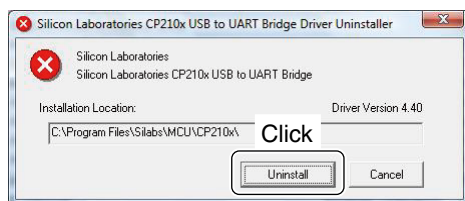
- ① Start up Windows.
- ② Select the “Control Panel” in the Start menu.
 - The control panel appears as shown in the next step below.
- ③ Click the “Uninstall a program.”
 - The “Uninstall or Change a Program” menu appears.



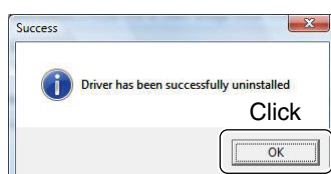
- ④ Double-click “Silicon Laboratories CP210x USB to UART Bridge (DriverRemoval).”
- ⑤ In case “User Account Control” dialogue box appears as below, click [Continue].



- ⑥ The “Confirm Uninstall” appears.
Click [Uninstall] to uninstall the program from the PC.
 - The uninstallation starts.



- ⑦ After the uninstall is completed, click [OK].
 - Restarting the PC is recommended.

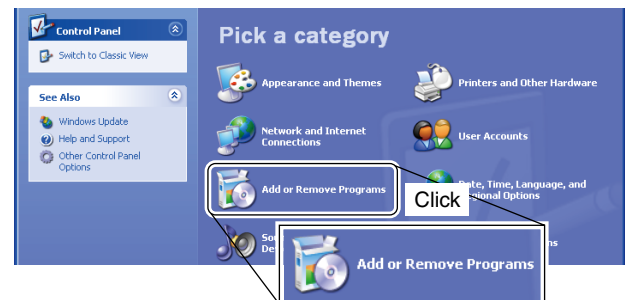


Windows XP

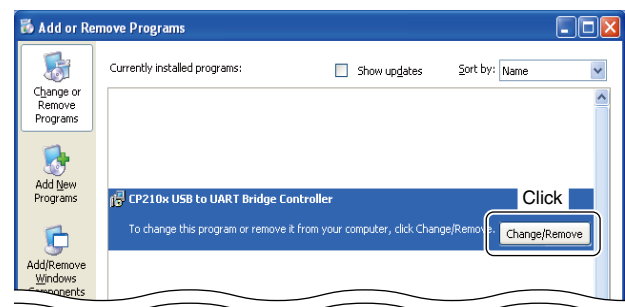
For Windows 2000:

Refer to the following instructions because the operations of Windows 2000 are similar to Windows XP.

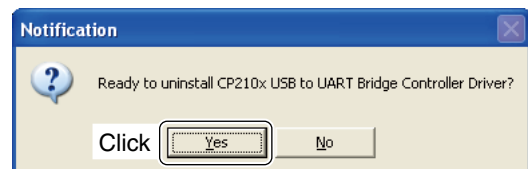
- ① Start up Windows.
- ② Select the “Control Panel” in the Start menu.
 - The control panel appears as shown in the next step below.
- ③ Click the “Add or Remove Programs.”
 - The “Add or Remove Programs” menu appears.



- ④ Select “CP210x USB to UART Bridge Controller,” then click [Change/Remove].



- ⑤ The “Ready to uninstall CP210x USB to UART Bridge Controller Driver?” appears.
Click [Yes] to uninstall the program from the PC.
 - The uninstallation starts.



- ⑥ After the uninstall is completed, click [OK.].
 - Restarting the PC is recommended.



7. FOR YOUR REFERENCE

When the transceiver is connected to a PC with the USB cable (purchase separately), remote control operation can be performed with the CI-V command.

The transceiver has the USB-Serial convert function, so the PC recognizes the connected transceiver as COM port and the CI-V control software can be used.

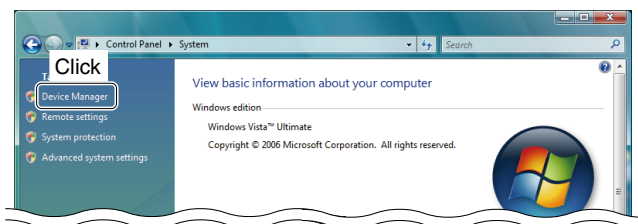
Simultaneous use of the [USB] and [REMOTE] jacks are available.

COM Port setting

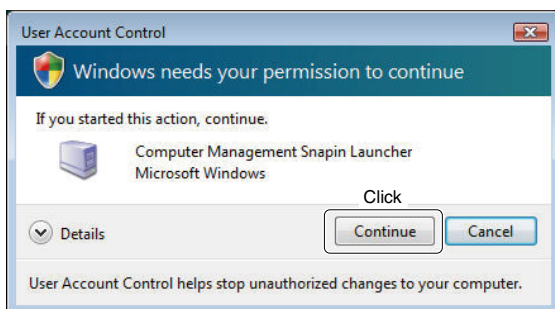
To change the COM Port number setting, connect the transceiver to the PC and then turn the transceiver power ON after the driver installation is completed.

<Windows Vista>

- ① Start up Windows.
- ② Right click "Computer," then select "Properties."
 - "Computer" is available in <Start> menu.
- ③ "System" screen appears as below.
Click [Device Manager].

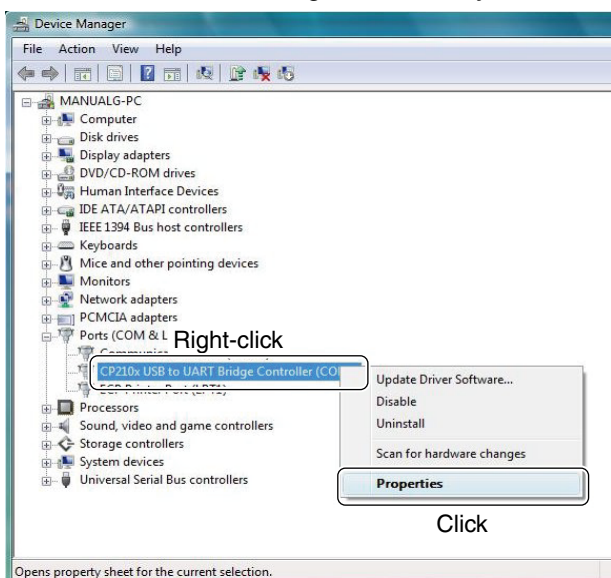


- ④ In case "User Account Control" dialogue box appears as below, click [Continue].

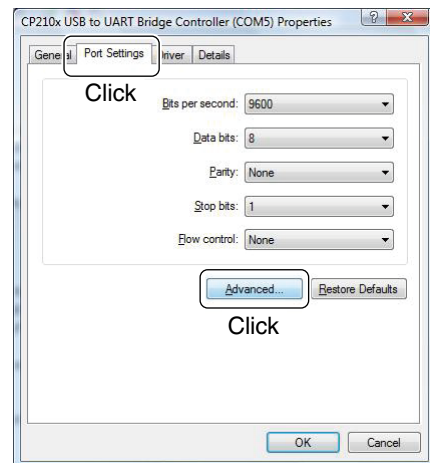


- ⑤ "Device Manager" screen appears.
Right click "CP210x USB to UART Bridge Controller (COM*)" and then click "Properties."

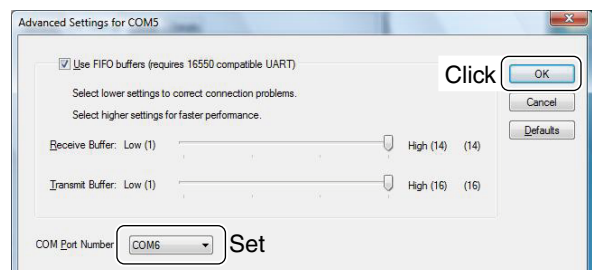
/// "*" is the COM port number, that is used for the communication setting with the utility software.



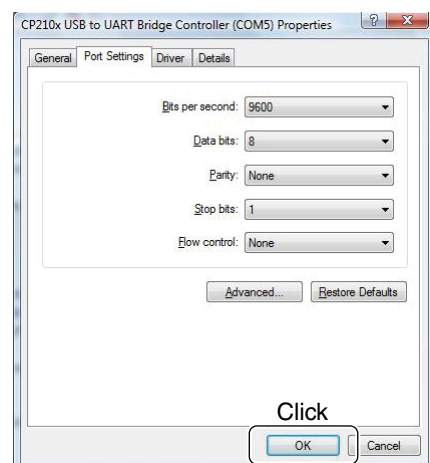
- ⑥ Click [Port Settings] tab, then click [Advanced...].



- ⑦ Set the desired COM port number, then click [OK].



- ⑧ Click [OK] to close the screen.



7. FOR YOUR REFERENCE

COM Port setting (Continued)

<Windows XP>

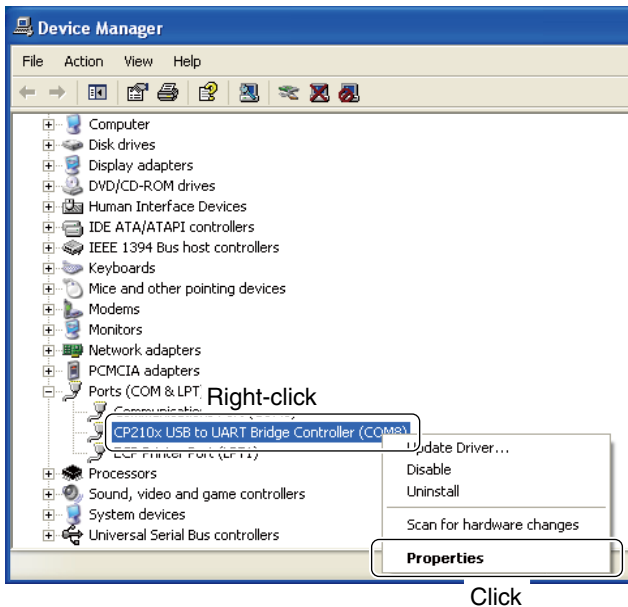
For Windows 2000:

Refer to the following instructions because the operations of Windows 2000 are similar to Windows XP.

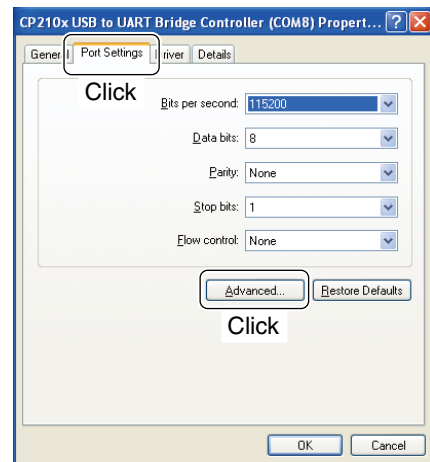
- ① Start up Windows.
- ② Right click "My Computer," then select "Properties."
 - "My Computer" is available in <Start> menu.
- ③ "System Properties" screen appears as below. Click [Hardware] tab and then click [Device Manager].



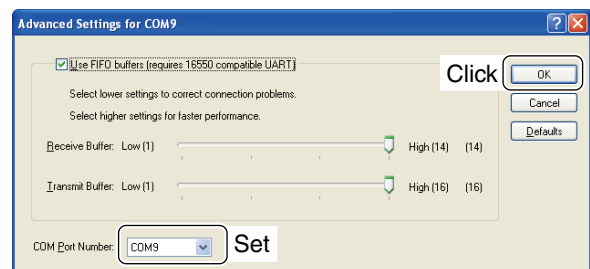
- ④ "Device Manager" screen appears. Right click "CP210x USB to UART Bridge Controller (COM*)" and then click "Properties."
 - "*" is the COM port number, that is used for the communication setting with the utility software.



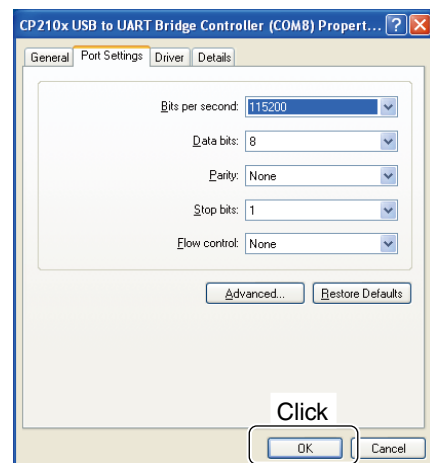
- ⑤ Click [Port Settings] tab, then click [Advanced...].



- ⑥ Set the COM port number if desired, then click [OK].



- ⑦ Click [OK] to close the screen.



7. FOR YOUR REFERENCE (Continued)

About audio

[Installed audio player] (Windows standard software, etc.)

When using the audio software (e.g. Windows standard software; Microsoft® Sound Recorder, etc.), the following operations can be performed;

- Received audio output to the PC.
- Modulation input from the PC.

/// The 'Modulation input' setting must be set as "USB" for modulation input from the PC.
/// See the appropriate page on the transceiver's instruction manual for details of settings.

PC software (purchase separately) is additionally required when the following operations are performed;
Please read the supplied instruction manual of the PC software for the operation details.

- Monitoring the received audio with the speaker that is connected to the PC.
- Modulation input for the PC microphone's audio.